Extron Electronics
INTERFACING, SWITCHING AND CONTROL

IMPORTANT:
Refer to www.extron.com for the complete user guide, installation instructions, and specifications before connecting the product to the power source.

# CS 26T • Setup Guide

This setup guide contains installation information about the CS 26T speaker cartridge for the Extron CS 1226T Cartridge Speaker System. The CS 26T can be installed as a standalone speaker or in conjunction with the CS 120P plenum rated enclosure. When a CS 26T speaker is installed in a CS 120P enclosure, the entire assembly is plenum rated.

**WARNING: May result in serious injury.** Installation and service must be performed by authorized personnel only.

**NOTE:** Installation of conduit and conduit adapters must conform to all applicable building codes and local ordinances.

## Installing the CS 26T in a Suspended Ceiling

For hard ceiling installations, see the *CS 26T User Guide*.

1. **Remove power** from all devices.

   **NOTE:** If the baffle and grille are to be painted, see the *CS 26T and CS 120P User Guide* for more information.

2. **Cut a hole for the CS 26T.** Use the provided cutout template to outline the hole to be cut in the ceiling tile as described below.

   a. Remove the ceiling tile, and draw diagonal lines across it from opposite corners to locate its center. Mark the intersection where the lines cross.

   b. Position the center hole of the cutout template directly over the center of the tile, marked in step **2a**.

   c. Trace a circle on the ceiling tile as follows:

   **For installations in ceilings that are NOT fiberglass or when installing the speakers in an open back configuration:** Trace a circle around the CS 26T cutout template.

   **NOTE:** The fiberglass tile adapters are not needed and can be discarded.

   **For installations in a fiberglass ceiling with the CS 120P:**

   **NOTE:** A set of fiberglass tile adapters is provided with both the CS 26T and the CS 120P. Only one set is needed to install the CS 26T with the CS 120P kit in fiberglass tile.

   i. Place the fiberglass tile adapter around the outer diameter of the template that was positioned in step **2b**.

   ii. Trace a circle around the outer diameter of the adapter.

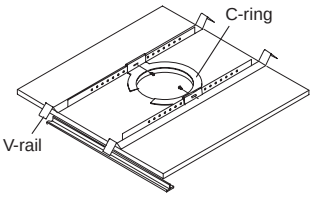
   d. Cut out the circle traced in the ceiling tile.

   e. Replace the ceiling tile in the ceiling.

3. **Remove the adjacent ceiling tile** next to the tile where the speaker will be installed.

4. **Install the CS 120P or ceiling mount kit** (part number 70-996-01).

   - **If using the CS 120P**, see the *CS 120P Setup Guide* to install it.
   - **If not using the CS 120P**, attach two V-rails and one C-ring across the tile above the hole cut in step **2** (see the illustration at right). The fiberglass tile adapter is not needed.




5. **Route the speaker wires** through the ceiling tile hole.

6. **Remove the grille** carefully from the CS 26T.

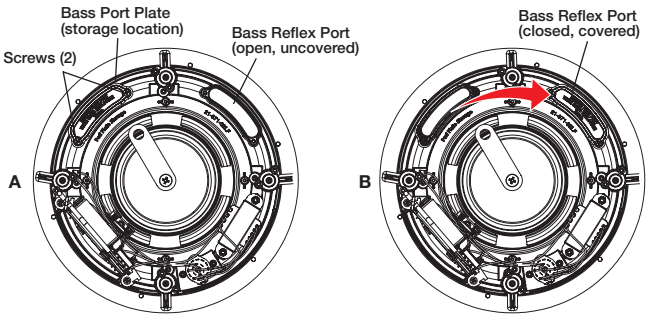
   **NOTE:** Grille hooks are provided for grille removal, if needed.

7. **Configure the bass reflex port plate.** By default, the CS 26T is set up for use with the CS 120P. If not using the CS 120P, set the plate for an open-back installation.

   - **With the CS 120P:** Leave the plate in its default location. The port must be left uncovered (see **A** in the diagram below).
   - **Open back:** The bass reflex port is uncovered by default. In the open back configuration (without the CS 120P), this port must be closed (covered). If the port is **not** covered:

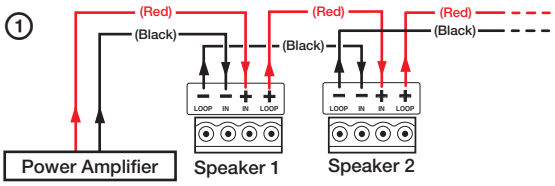
     a. Use a Phillips screwdriver to remove the two screws securing the bass reflex port plate in its storage location.

     b. Attach the plate to the bass reflex port using the two screws that you removed in step **7a** (see **B** in the diagram below).

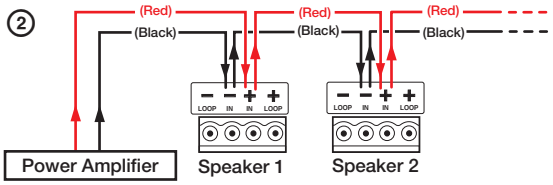


# CS 26T • Setup Guide (Continued)

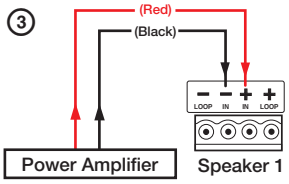
8. **Attach speaker wires** from the ceiling tile hole to the included 4-pole captive screw connector using one of the following three methods:

① 


**Wiring Multiple Speakers Using Loop-through**
When a chain of speakers is wired in this configuration, disconnecting one speaker removes power from all speakers.

② 


**Wiring Multiple Speakers in Parallel**
When a chain of speakers is wired in this configuration, disconnecting one speaker does not remove power from the remaining speakers in the chain.

③ 


**Wiring a Single Speaker**

**Wire Gauge Table**

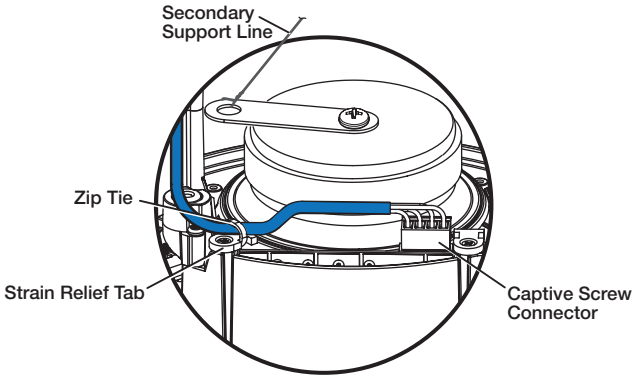
| Number of Wires per Connection Point | Maximum Wire Gauge |
|---|---|
| 1 | 12 AWG |
| 2 | 16 AWG |
| 4 | 18 AWG |

**NOTES:**

- See the wire gauge table above for the maximum number of wires per terminal.
- Do not tin the wires. Tinned wires do not hold tight in the captive screws and can break easily after several bends.
- See the *CS 26T and CS 120P User Guide* for detailed information on wiring configurations.

9. **Insert the captive screw plug** into the four-pole receptacle on the speaker crossover board.

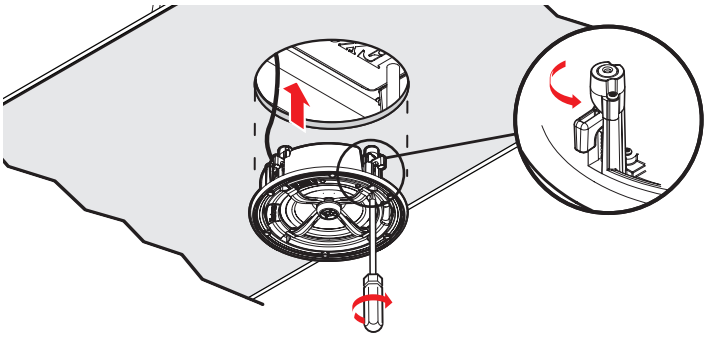
10. **Secure the speaker wire to the strain relief tie-down point,** using the included zip tie.




11. **Mount the CS 26T.**

a. **Insert the CS 26T** through the bottom of the hole in the ceiling tile that was cut in **step 2**.

b. **Tighten the four screws** (clockwise) until the speaker is securely clamped to the ceiling.



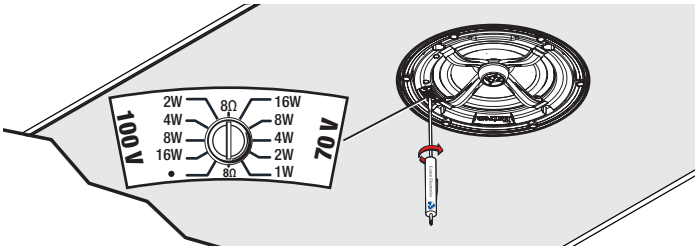
**ATTENTION:** Do not overtighten the screws.

12. **Attach secondary support lines** if required (see the figure in step **10**). If using the CS 120P, see the *CS 120P Setup Guide* for details.

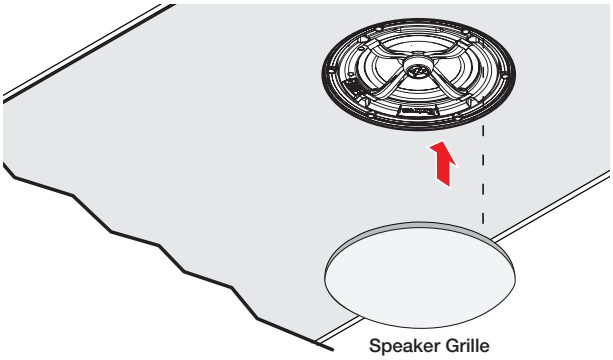
**ATTENTION:** **Do not** allow any slack in the secondary support line.

13. **Replace the adjacent tile** that was removed in **step 3**.

14. **Set the rotary tap selector switch** to the appropriate setting, using a small screwdriver.




15. **Install the grille.** Position the outer perimeter of the grille into the groove of the speaker baffle. Six magnets pull the grille securely into place.




**NOTE:** Grille hooks are provided for removal of the grille after installation.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